

ATGGCTCTGGGCCAACCTGTGGCATCCTACTGTTCTGGCTTTCTGGGTGTGGCCATCCCC  
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GCAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGTGGAGGCTCCCTGCTCAGTCCAGAATGG  
GTGCTCACAGCAGCCCAGTCTCTGGGTCTGTGAACCTCGTCTGATTATCAGGTGCACTTGG  
GAGAGCTTACGGTCACACTGTCTCCCCACTTCTCCACTGTAAAACGGATCATCATGTACACTGG  
CTCTCCAGGACCACCGGGTCCAGTGGGACATTGCCCTGGTGCAGCTGTCTCCCCGGTGGCC  
CTTTCCAGGCCAGGTCCAGCCTGTGTGCCTCCAGAGGCCTCAGCTGACTTCTACCCCTGGGATGC  
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CTGGCTGAGCTCCCTCCACGCCCTCGGAACCTGAAATGAGGTGTAGCAACCAACCCAAG  
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ACTTAGGAAGCCAAAGTTCTGCATCAGATTATTGCAACATTAAACCTGAATTGTAGAACGG  
ATGACATAAGCAAATGGATGTCAAAAAAAAAA (SEQ ID NO:1)

MALGPNCIGILLFLAVSGCGHPQVSNSGSRIVGGHAAPAGTWPWQ

ASLRLHKVHCGSLLSPEWLTAAHCFSGSVNSSDYQVHLGELTVTLSPHFSTVKRI  
IMYTGSPGPPGSSGDIALVQLSSPVALSSQVQPVCLPEASADFYPGMQCWVTGWGYTG  
EGEPLKPPYNLQEAKVSVDVKTCSQAYNSPNGSLIQPDMLCARGPGDACQDDSGGPL  
VCQVAGTWQQAGVVSWEGCGRPDRPGVYARVTAYVNWIHHIPEAGGSGMQGLPWAP

LLAALFWPSLFLLLVSGVLMKYWLSSPSHAASEL (SEQ ID NO:2)

## FIGURE 1

# Construct

Gene: 372

GI Number(s): 6103630

Gene Family: Protease

Gene Subfamily: Serine Protease

Gene Sequence: full-length cDNA, Mouse

underlined = deleted in targeting construct

[ ] = sequence flanking Neo insert in targeting construct

```

ATGGCTCTGGGGCCCACTGTGGCATCCTACTGTTCTGGCTGTTCTG [GGTGTGGCCA
TCCCCAGGTTCAAACACTCGGAAAGTCGAATCGTGGGAGGGCATGTCGCCCAAGCAGGCAC
ATGGCGTGGCAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGT] GTGGAGGCTCCCTGC
TCAGTCCAGAATGGGTGCTCACAGCAGCCCCACTGCTCTCTGGTCTGTGAACCTCGTCTG
ATTATCAGGTGCACTTGGGAGAGCTTACGGTCACACTGTCTCCCCACTT [CTCCACTGTA
AAACGGATCATCATGTACACTGGCTCTCCAGGACCACCGGGGTCAGTGGGACATTGCC
CTGGTGCAGCTGTCCCTCCCGGTGGCCCTTCCAGCAGGTCCAGCCTGTGTGCCTCCCA
GAGGCCTCAGCTGACTTCTACCCCTGGGATGCAGTGCTGGGTACTGGCTGGGCTATACA
GGGGAGGGAG] AGCCTCTGAAGCCCCCATACAACCTCAGGAGGCCAAAGTCTCTGTGGT
GGATGTAAGAACCTGCAGGCCAGGCTTACAATAGTCCAATGGCAGCCTCATCCAGCCAGA
CATGCTATGCCCGGGGCTTGGGGATGCCCTGCCAGGATGACTCTGGAGGGCCACTAGT
CTGCCAGGTGGCTTGAACCTGGCAGCAGGCCGGCTGTGCAGCTGGGTGAGGGCTGTGG
CCGCCCTGACCGCCCTGGCGTCTATGCCCGGGTTACTGCCTATGTAAACTGGATCCACCA
CCACATCCCAGGAAAGCAGGGGGCTCAGGAATGCAAGGGCTCCCTGGCTCTCTGGC
TGCCCTCTCTGGCCAAGCCTCTTCCCTGCTGCTGGTCTCTGGAGTCCGTGGCAAGTA
CTGGCTGAGCTCTCCCTCCCACGCAGGCCCTCGGAACCTCTGAATGAGGTGTAGCAACCAACC
CAAGTGTCTTCTAAATAAGTTAGTGTATTCAAGTTGCTTGTGCCCTCCCTCCCT
TAGCTTGACTTAGGAAGCAAAGTTCTGCATCAGATTATTGCAACATTAACCTGAA
TTTGTAGAACGGATGACATAAGCAAATGGATGTCAAAAAAAAAA (SEQ ID NO:1)

```

Gene Sequence Structure

\*

164 bp

Sequence Deleted

287 bp

Size of full-length  
cDNA: 1122 bp

FIGURE 2A

## Targeting Vector\* (genomic sequence)

Construct Number: 1607

Arm Length:

5': 6 kb

3': 0.7 kb

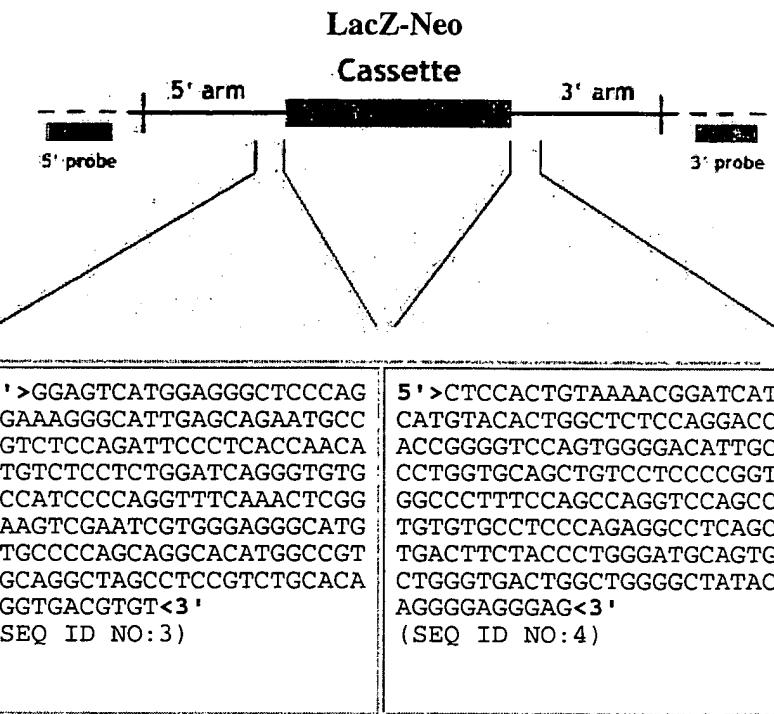
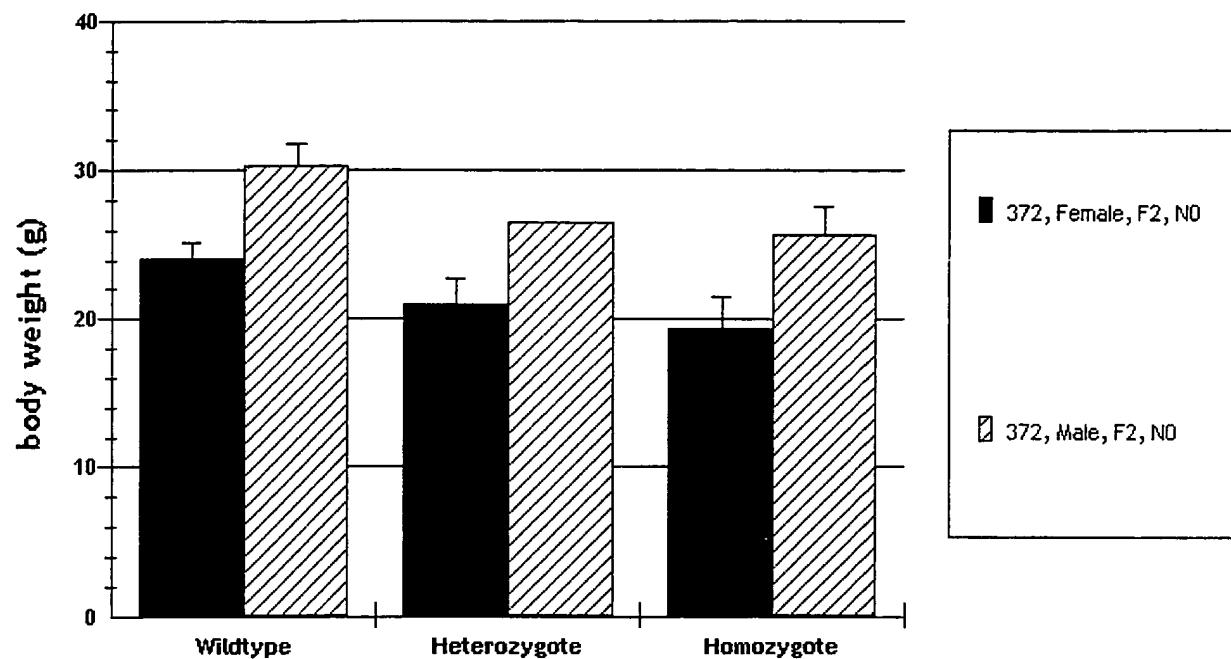


FIGURE 2B

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### necropsy - body weight

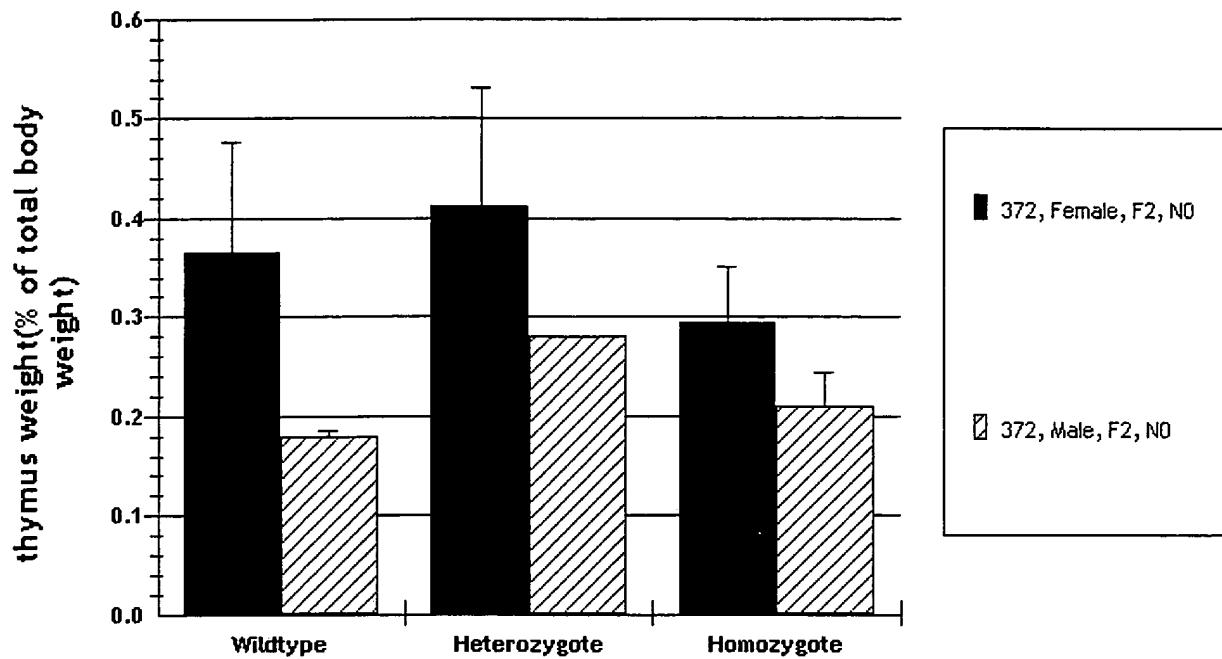


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FIGURE 3

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## necropsy - thymus weight/body weight



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FIGURE 4

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## Phenotypic Data Summary - Startle Response Amplitude

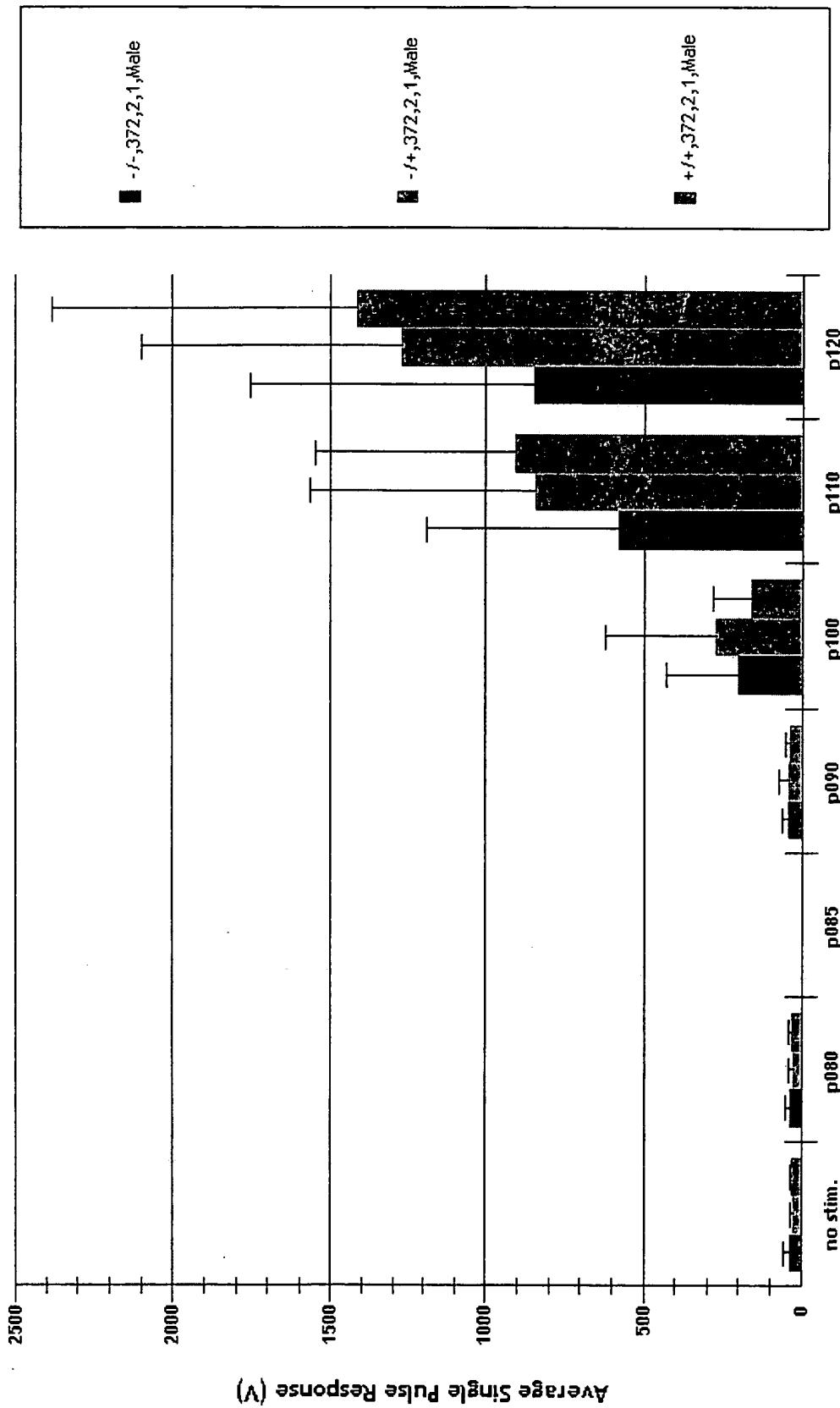


FIGURE 5